AMENDMENTS TO THE CLAIMS

Please replace the pending claims with the following claim listing:

1-9. **(Previously Cancelled)**

10. **(Currently Amended)** A pulmonary volume evaluation device comprising:

an item worn over the user's body for following body movements caused by the user's lung operation;

said item comprising:

a front panel corresponding to the user's front;

a rear panel corresponding to the user's back;

an upper aperture sized and shaped to allow the user's head to be outside the item when worn;

a lower aperture sized and shaped to allow the user's legs to be outside the item when worn;

said front panel extending from said upper aperture to said lower aperture and being sized and shaped to substantially entirely cover the anterior chest wall and at least the upper abdomen;

a sensor for sensing fluctuations in a user's lung operation; and

feedback means, driven by said sensor, for determining successive values representative of the user's lung fluctuations and for translating said values into appropriate lung-evaluating information;

wherein said item has at least one chamber <u>located in both said front and rear panels</u> formed between an inner wall and an outer wall, said at least one chamber having a substantially enclosed volume of gas disposed therein, said at least one chamber being sized and shaped so as to substantially entirely cover the ~~anterior~~ chest wall and at least the upper abdomen of the user's body, said inner wall <u>being spaced from said outer wall throughout the entire lung region and being substantially flexible to remain in contact with the entire lung region in order to follow</u> ~~following~~, in use, the displacement of the entire lung region; <u>and said outer wall is substantially rigid in order to remain in position during the displacement of the lung region</u>; <u>whereby</u> said inner wall and said outer wall

~~combining~~ combine to compress said volume of gas as said flexible inner wall is pushed towards said rigid outer wall during inspiration as the lungs expand and to decompress said volume of gas as said flexible inner wall relaxes during expiration as the lungs contract; and said sensor ~~is directly exposed to said enclosed volume for sensing~~ senses changes in pressure within said chamber throughout inspiration and expiration.

11. **(Cancelled)**

12. **(Previously Presented)** A device according to claim 10, comprising a seal for sealing said at least one chamber; whereby the volume of gas contained by said at least one chamber remains constant and as the body displaces during respiration, a measurable change in internal chamber pressure occurs as the chamber's wall displaces.

13. **(Previously Presented)** A device according to claim 10, incorporating an array of chambers locating a chamber over a separate region of the user's lung.

14. **(Cancelled)**

15. **(Cancelled)**

16. **(Previously presented)** A device according to claim 10, wherein said at least one chamber comprises two chambers each of which correspond to a lung.

17. **(Previously presented)** A device according to claim 10, wherein said at least one chamber comprises four chambers each of which correspond to one of an upper rib region and a lower rib region of a lung.

18. **(Previously presented)** A device according to claim 10, wherein said feedback means comprises at least one of: a microprocessor, a computer, and a data logger.

19. **(Presently amended)** A device for determining pulmonary volume of a user, the device comprising:

an item;

said item comprising:

a front panel corresponding to the user's front;

a rear panel corresponding to the user's back;

an upper aperture sized and shaped to allow the user's head to be outside the item when worn;

a lower aperture sized and shaped to allow the user's legs to be outside the item when worn;

said front panel extending from said upper aperture to said lower aperture and being sized and shaped to substantially entirely cover the anterior chest wall and at least the upper abdomen;

said item comprising an inner wall and an outer wall, the inner wall and the outer wall bounding at least one chamber therebetween <u>located in both said front and rear panel</u>, a substantially enclosed volume of gas being disposed within the at least one chamber, the item being configured to be worn over the body of the user and the chamber being sized and shaped so as to substantially entirely cover the ~~anterior~~ chest wall and at least the upper abdomen of the user when the item is worn over the body of the user, <u>said inner wall being spaced from said outer wall throughout the entire lung region and being substantially flexible to remain in contact with the entire lung region in order to follow in use the displacement of the entire lung region, and said outer wall being substantially rigid in order to remain in position during the displacement of the lung region; whereby</u> the inner wall and the outer wall <u>are</u> ~~being~~ configured to compress the volume of gas as the inner wall is pushed towards the outer wall as a result of the lungs of the user expanding during inspiration and to decompress the volume of gas as the inner wall relaxes as a result of the lungs of the user contracting during expiration;

a sensor ~~directly exposed to said enclosed volume, the sensor~~ being configured to sense changing pressure values of the volume of gas within the chamber; and

means for capturing and evaluating successive pressure values from the sensor to determine values representative of lung fluctuations of the user and for translating said values into appropriate lung-evaluating information.

20. **(Previously presented)** A device according to claim 19, wherein the means for capturing and evaluating comprises at least one of: a microprocessor, a computer, and a data logger.

21. **(Previously presented)** A device according to claim 19, further comprising a seal that selectively seals the at least one chamber.

22. **(Previously presented)** A device according to claim 19, wherein the at least one chamber comprises an array of chambers configured so that each chamber is positioned over a separate region of the lung when the item is worn over the body of the user.

23. **(Cancelled)**

24. **(Cancelled)**

25. **(Previously presented)** A device according to claim 19, wherein the at least one chamber comprises two chambers configured so that each chamber is positioned over a separate lung when the item is worn over the body of the user.

26. **(Previously presented)** A device according to claim 19, wherein the at least one chamber comprises four chambers configured so that two of the four chambers are respectively positioned over an upper rib region and a lower rib region of a lung, and the other two of the four chambers are respectively positioned over an upper rib region and a lower rib region of the other lung when the item is worn over the body of the user.

27. **(New)** A device according to claim 10, wherein said item incorporates at least one adjustable fixing.

28. **(New)** A device according to claim 19, wherein said item incorporates at least one adjustable fixing.